

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2004/002611

A. CLASSIFICATION OF SUBJECT MATTER IPC ⁷ : H01L29/786, G02F1/1368, G09F9/35, G09G3/18, H01L27/088 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC ⁷ : H01L, G02F, G09F, G09G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched _____ Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Epodoc, WPI, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 10098190 A (SHARP) 14 April 1998 (14.04.1998) <i>paragraphs 0016, 0019, 0034, 0035, 0045-0047, 0074; figure 3.</i> —	1, 3-6
X	JP 01189632 A (CASIO) 28 July 1989 (28.07.1989) <i>abstract, figures 1, 2.</i> —	1, 3-5
X	JP 01094670 A (FUJITSU) 13 April 1989 (13.04.1989) <i>abstract, figures 1, 2, 4.</i> —	1, 3, 4
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search 21 December 2004 (21.12.2004)		Date of mailing of the international search report 7 January 2005 (07.01.2005)
Name and mailing address of the ISA/ AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer HARASEK S. Telephone No. +43 / 1 / 534 24 / 574

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20010030323 A1 (SONY) 18 October 2001 (18.10.2001) <i>paragraphs 0004, 0012, 0028, 0032-0034, figures 1, 3, 4.</i>	1, 3-5
Y	<i>paragraphs 0004, 0012, 0028, 0032-0034, figures 1, 3, 4.</i>	9, 11-13, 16, 17, 19-21
Y	— JP 2000147574 A (SEMICONDUCTOR ENERGY) 26 May 2000 (26.05.2000) <i>paragraphs 0030-0032, figure 1.</i>	9, 11-13, 16, 17, 19-21

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Patent document cited in search report			Publication date	Patent family member(s)	Publication date
JP	A	94670A2		none	
JP	A	1189632A 2		none	
JP	A	10098190 A2		none	
JP	A	20001475 74A2		none	
US	A	20010030 323		none	